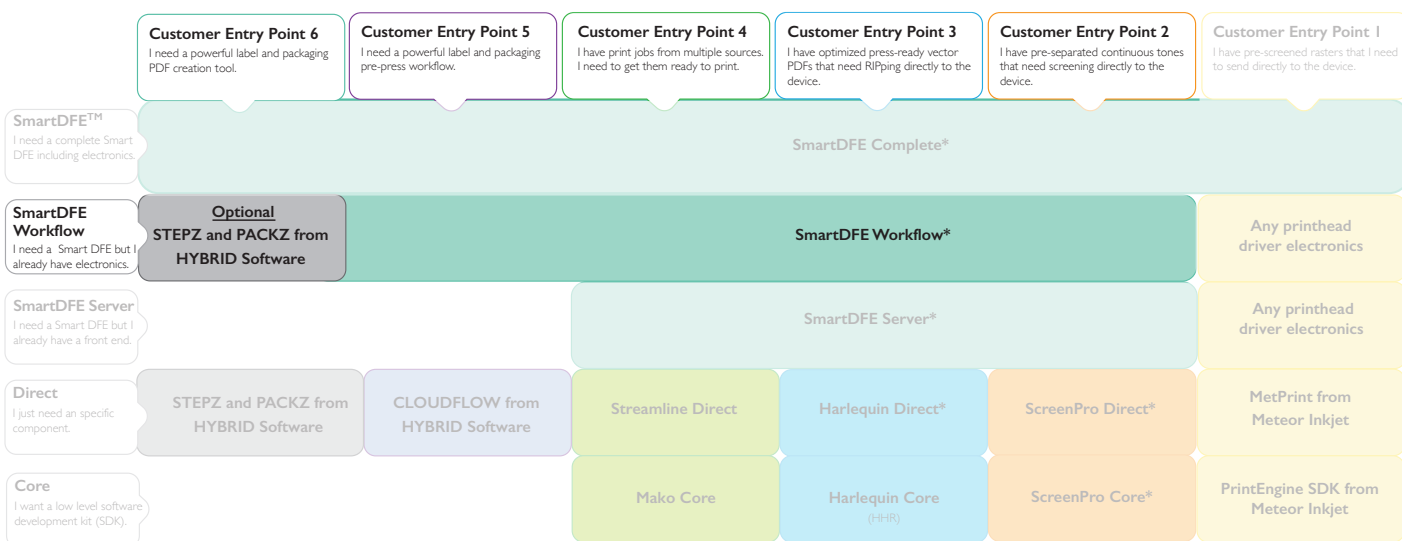




SmartDFE Workflow is ideal for OEMs who have their own printhead driver electronics but need everything else that SmartDFE can offer. It's a complete software stack for high-speed, single-pass inkjet presses and print bars, offering everything from a powerful pre-press workflow through to an ultra-high-speed RIP and halftone screening solution. SmartDFE Workflow connects via OPC UA to the wider factory and runs fully variable jobs continuously, 24/7, with predictive maintenance and Industry 4.0.



SmartDFE Workflow Components

SmartDFE Components	SmartDFE complete	SmartDFE workflow	SmartDFE server
Smart Print Controller™	●	●	●
SmartMedia™	●	●	●
Smart Print Profile Editor™	●	●	●
Smart Job Cost Estimator™	●	●	●
Direct QI™	●	●	●
PrintFlat™	◐	◐	◐
Harlequin Direct™	●	●	●
CoPrA™ and ColorAnt™	●	●	●
Streamline Direct™	●	●	●
CLOUDFLOW® Mars App	●	●	
STEPZ®	◐		
Meteor Datapath	●		

● Included as standard

◐ Included with all variants apart from "Static"

Features and benefits

HYBRID Software Inside (CLOUDFLOW®):

- Advanced workflow using the full HYBRID Software CLOUDFLOW product
- Support for Management Information Systems (MIS)
- Advanced workflow designer
- Variable Data expansion
- Multiple printer control
- Cloud front end.

Smart Job Cost Estimation software

- Equip your customer's sales team with the most accurate job estimation software

Smart Print Controller

- Press Operator's controller
- Full, brandable front end supplied as C# source code so that you can add your own value
 - Write your own user interface within weeks using the OPC UA API
 - Industry 4.0 enabled to connect with smart manufacturing and cloud data services

SmartMedia Inside:

- Create a library of predefined media definitions describing all the settings needed to get perfect color and quality
- Enable your customers to achieve the best quality without the need for print specialists
- Powered by the award-winning PrintFlat technology taking inkjet quality to the next level
- Enhanced with industry-leading color tools from ColorLogic
- See the user guide for supported scanners and color measurements devices.

OEM Tools (not for distribution)

Smart Printer Profile Editor: Create a definition of your new digital press.

Smart Media Manager: Create a library of Smart Media Definitions (SMDs) for distribution with your new digital press.

Direct Inside (Harlequin Direct):

- Harlequin at Heart: designed to drive the fastest, widest and highest resolution inkjet devices
- Full variable data streamed directly to the device electronics
- Instant printing, no need to RIP ahead
- Supercharged by ScreenPro™ with advanced inkjet-specific screens and custom screen design service
- Stream data directly to inline inspection systems using Direct QI
- Easily scalable with extended gamut and special colors
- Near real-time quality adjustment based on camera system feedback. No need to stop the device.

Direct Inside (Streamline Direct):

- Estimate the achievable line speed before committing to run a job
- Optimize the job to achieve a higher line speed
- Intelligently configure the system for each job
- Convert formats to optimized PDF including (IJPDS and PPML)

Any printhead driver electronics (Meteor Ready)

- SmartDFE can be up and running in days with Meteor printhead electronics
- If you already have your own electronics we can integrate SmartDFE with a short BreakThrough project (typically 20 Engineering days delivered by our Technical Services team)

Four Variants

- **Static:** A single PC running all the software and generating a static raster which will be printed many times
- **Standard Data Rate (SDR):** (up to 3GB/s) Designed for less demanding variable data, lower resolution, narrower and lower speed presses
- **High Data Rate (HDR):** Between 3GB/s and 18 GB/s Designed for most common variable data and mainstream press capabilities
- **Ultra-High Data Rate (UHDR):** Above 18 GB/s Designed to produce the huge amounts of data generated by fully variable data on the fastest, highest resolution, widest and best quality inkjet printing presses.

BreakThrough Service

- Add our engineers and scientists to your engineering team to get you shipping sooner
- Break through any barrier slowing your route to market
- Buy a block of days which is 100% recoverable against licenses as soon as you ship, making the service effectively free.

Localization

- SmartDFE has been built to be easily localized by the OEM.
- Examples are supplied in US English and Japanese.

Licensing

- SmartDFE licenses against a single printing device using the OEMs own security and licensing system.



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